

Title (en)

METHOD OF PRODUCING METAL-COATED STEEL STRIP

Title (de)

VERFAHREN ZUR HERSTELLUNG METALLBESCHICHTETER STAHLSTREIFEN

Title (fr)

PROCÉDÉ DE FABRICATION DE BANDE D'ACIER REVÊTUE DE MÉTAL

Publication

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Application

EP 13848065 A 20131017

Priority

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Abstract (en)

[origin: WO2014059476A1] A method of forming a coating of an Al-Zn-Si-Mg alloy on a steel strip to form an Al-Zn-Mg-Si coated steel strip is disclosed. The method includes the steps of dipping steel strip into a bath of molten Al-Zn-Si-Mg alloy and forming a coating of the alloy on exposed surfaces of the steel strip and cooling the coated strip with cooling water. The cooling step includes controlling the pH of cooling water to be in a range of pH 5-9. Particular embodiments focus on Al-Zn-Si-Mg alloys that contain the following elements in % by weight: Zn: 30 to 60, Si: 0.3 to 3, Mg: 0.3 to 10, and Balance Al and unavoidable impurities.

IPC 8 full level

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Citation (examination)

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